



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

file
John

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INSPECTION REPORT

INSPECTION DATE & TIME: July 21, 1987
9:00 a.m. to 1:00 p.m.

Permittee and/or Operators Name: Co-Op Mining Co.
Business Address: P. O. Box 1245 Huntington, Utah 84528
Mine Name: Bear Canyon Permit Number: ACT/015/025
Type of Mining Activity: Underground ☒ Surface ☐ Other ☐
County: Emery
Company Official(s): Mel Coonrod
State Official(s): Wm. J. Malencik, Harold Sandbeck
Partial: ☒ X Complete: ☐ Date of Last Inspection: June 30, 1987
Weather Conditions: Clear/Cool
Acreage: Permitted 800 Disturbed 10 Regraded 0 Seeded 0 Bonded 10
Enforcement Action: None
Followup Matters: Maintenance work required as a preventative measure

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. SURFACE AND GROUNDWATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF DEVELOPMENT WASTE AND SPOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. COAL PROCESSING WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16. ROADS				
a. CONSTRUCTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. MAINTENANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS:

The mine site and surrounding area had again experienced a high intensity storm the afternoon and night before the inspection. This was the same storm event that Mark Eubank reported over the Salt Lake City news that had hit the Salt Lake area and was calculated as a 1:500 year storm; near Kearns, Utah, as a 1:2500 year storm. I have no information to gauge the intensity of this storm at the mine site, but it was the same general storm wherein a warm front from the south collided with a cold front from the north. No rain gauges exist at the mine site.

FOLLOWUP MAINTENANCE WORK:

Followup maintenance work noted on page two of the inspection report of June 30, 1987, was completed. However, the aforementioned storm obfuscates the effectiveness of some of the hydrologic preventative maintenance work itemized in the previous report. Further, some of the same items require additional attention as a result of the instant storm and are mentioned below.

The dirt berm was installed by the oil barrels on the middle pad.

4. HYDROLOGIC BALANCE:

Mr. Coonrod mentioned that Co-Op Mine Co. is considering installing culverts by the lower pad drain ditch. By copy of this report, I am requesting DOGM hydrologist Tom Munson to meet with Mr. Coonrod and the undersigned to review possible drainage problems and solutions associated with the recent Hiawatha Portal and other hydrologic maintenance problems that perhaps have more feasible long term solutions.

4b. DIVERSIONS:

Runoff was still evident at the time of inspection in several areas at the mine site and observations were made as follows:

- A. Water was standing on a small portion of the upper pad by the lamp house.
- B. Runoff had topped the drain ditch and flowed over a small portion of the road surface immediately above the switchback between the middle and upper pad.

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- C. Runoff had deepened the drain ditch by another switchback between the middle and lower pad.
- D. A culvert and drain ditch below the office was being worked on at the time of inspection. The culvert was blocked, and the silt fence on the culvert exit side was nearly full.

Since item D is below the sediment pond, hydrologic maintenance was properly started with the most significant problem. Items a-c all drain into the sediment pond, and followup storm maintenance work was to move progressively on to items a-c. In my opinion, at the time of inspection the mine company was diligently working on necessary followup work as a result of the storm.

4d. OTHER SEDIMENT CONTROL MEASURES:

Some silt fences require additional attention as a result of the aforementioned storm.

14. SUBSIDENCE CONTROL:

Subsidence control, more particularly the installing and surveying of markers, was completed the weekend of July 18 and 19, 1987, by Dan Guy. The matter of subsidence and compliance with the MRP was the subject of NOV 87-26-4-1. The abatement time was extended to 5 p.m., July 31, 1987, and included the submission of required information to DOGM headquarters. A proposed amendment to the MRP has been made relative to the type of markers and making annual measurements instead of biannual.

Copy of this Report:

Mailed to: Mel Coonrod, Co-Op; Donna Griffin, OSM

Given to: Joe Helfrich, DOGM; Tom Munson, via John Whitehead, DOGM

Inspectors Signature and Number: *J. Whitehead for* Wm. J. Malencik #26 Date: July 23, 1987